

Patent claims

1-11. (canceled)

12. (new) A method for selecting resources in a communication network, the network having communication components which use the resources in the network, a plurality of resources provide the communication components with a same function, comprising

determining and storing a function and a resource performance-statement about by the communication component;

storing resource-specific information in a database if a resource is being used by the communication component; and

selecting the resource based on the resource-specific information and statistical information about the previous use of this resource.

13. (new) The method as claimed in Claim 12, wherein the function is the functionality of the resource.

14. (new) The method as claimed in Claim 12, wherein the function is the functionality of the component.

15. (new) The method as claimed in Claim 12, wherein the resource-specific information includes statistically evaluated information sent by the resource.

16. (new) The method as claimed in Claim 12, wherein the resource-specific information includes reliability information of the resource.

17. (new) The method as claimed in Claim 12, wherein the resource-specific information includes safety information of the resource.

18. (new) The method as claimed in Claim 12, wherein the resource-specific information includes availability information of the resource.

19. (new) The method as claimed in Claim 12, wherein the resource-specific information can be provided to other communication components.

20. (new) The method as claimed in Claim 12, wherein the resource are the useable services of communication components.

21. (new) The method as claimed in Claim 12, wherein the communication component has a search function for determining the address of resources of further communication components.

22. (new) The method as claimed in Claim 12, wherein a reaction time of the resource is taken into account for the statement.

23. (new) The method as claimed in Claim 12, wherein a present utilization level of the resource is taken into account for the statement

24. (new) The method as claimed in Claim 12, wherein a remaining capacity of the resource is taken into account for the statement.

25. (new) The method as claimed in Claim 12, wherein if the resource being used by the communication component fails then the communication component selects the next available resource with the same function for further use.

26. (new) The method as claimed in Claim 12, wherein if the resource being used by the communication component fails then the communication component selects the next available resource with the same function for further use.

27. (new) The method as claimed in Claim 12, further comprising ascertaining resource data after the communication component has been turned on, the resource data selected from the group consisting of the functions, the statements and a combination thereof.

28. (new) The method as claimed in Claim 27, wherein the resource data is ascertained at stipulated time intervals.

29. (new) A computer program adapted to operate within a communication network, the communication network having communication components that use a resource in the network, comprising

a database including information about the resource;

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a module for finding an address of further communication components;

a module for checking an availability of the resource and for ascertaining a performance of the resource;

a module that stores resource-specific information about the use of the resource when the resource in the database is being used; and

a module for selecting a resource based on resource data selected from the group consisting of the resource-specific information stored in the database and statistical information about the previous use of the resource.

30. (new) The computer program as claimed in Claim 29, wherein the resource-specific information includes reliability, cost, and safety information.

31. (new) The computer program as claimed in Claim 29, wherein the statistical information is received from another component.